

Conductive PTFE hose with polypropylene braiding

Our PTFE hose type NFP-A is a conductive convoluted hose with black polypropylene braiding.

The polypropylene braiding makes the hose very light, easy to use and ideal for use in conditions with frequent dynamic movements.

The hose liner consists of seamless extruded PTFE with an electrically conductive design. The antistatic PTFE hose type NFP-A is required when working with flammable and dangerous products.

PTFE hose type NFP-A

Our conductive PTFE hose with polypropylene braiding is used when the hose is handled and moved frequently, and temperatures are in a range between -30 °C and +90 °C. The PP braid-

ing is lightweight and protruding strands pose no risk for the operator. In addition, polypropylene braiding is not susceptible to stress cracking from chlorides and has generally good chemical resistance.

We can offer a variety of fittings and materials for all our PTFE hoses and are pleased to respond flexibly to customer requests. In addition, smooth ends and flared or lined fittings are also possible with our PTFE hoses. Complete traceability of our hoses is ensured by the serial number on the crimp collar.

Technical specifications

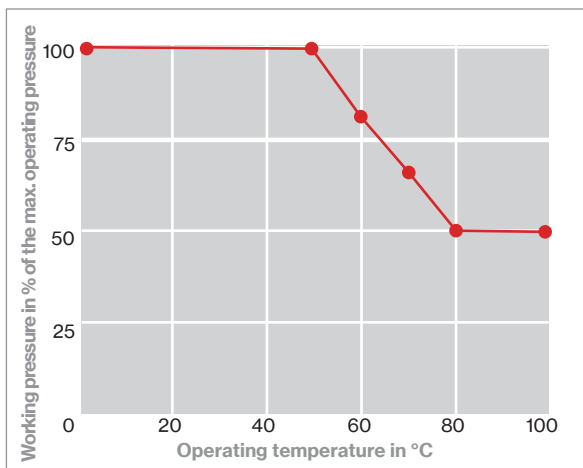
PTFE hose type NFP-A

DN mm / inch		Inside Ø approx. [mm]	Outside Ø approx. [mm]	Operating pressure* max. [bar]	Weight [kg/m]	Bending radius [mm]
12	½	11.6 – 13.6	23.4	10	0.13	50
20	¾	19.5 – 20.5	29.9	10	0.34	55
25	1	24.5 – 25.5	40.7	10	0.46	85
32	1¼	31.5 – 32.5	48.6	10	0.57	100
40	1½	36.5 – 37.5	52.4	10	0.71	120
50	2	49.5 – 50.5	69.2	10	1.15	165
65	2½	62.5 – 63.5	91.6	7	2.14	230
80	3	73.5 – 74.5	102.2	6	3.31	260
100	4	94.5 – 99.5	130.1	N/A	5.55	300

DN 10 on request.

*All values are stated for a temperature of 20 °C.

p-T diagram



Structure

Core	Electrically conductive PTFE
Cover	N/A
Braiding	Black polypropylene braiding
Fittings	Crimped or flared
Inserts	N/A
Temperature	-30 °C / +100 °C
Vacuum	At 20 °C: 126.25 mbar absolute
Max. length	10 m, longer lengths on request
Standard/ approval	FDA 21 CFR 177.1550, FDA 21 CFR 178.3297, USP XXXVI Class VI, free of TSE & BSE, EC 1935/2004

DS-086-01